

SEQUENCE LISTING

<110> Zhou, Qun-Yong  
Ehlert, Frederick

<120> Prokineticin Polypeptides, Related  
Compositions and Methods

<130> P-UC 5016

<150> 60/245,882

<151> 2000-11-03

<160> 19

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<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (55) ... (369)

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Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val Ser  
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gac tgt gct gtg atc aca ggg gcc tgt gag cgg gat gtc cag tgt ggg 153  
Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly  
20 25 30

gca ggc acc tgc tgt gcc atc agc ctg tgg ctt cga ggg ctg cgg atg 201  
Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met  
35 40 45

tgc acc ccg ctg ggg cgg gaa ggc gag gag tgc cac ccc ggc agc cac 249  
Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His  
50 55 60 65

aag gtc ccc ttc ttc agg aaa cgc aag cac cac acc tgt cct tgc ttg 297  
Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu  
70 75 80

ccc aac ctg ctg tgc tcc agg ttc ccg gac ggc agg tac cgc tgc tcc 345

Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser  
85 90 95

atg gac ttg aag aac atc aat ttt taggcgcttg cctggtctca ggataccac 399  
Met Asp Leu Lys Asn Ile Asn Phe  
100 105

catccttttc tgagcacacgc ctggattttt atttctgccca tgaaacccag ctcccatgac 459  
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<211> 105  
<212> PRT  
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20 25 30  
Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg  
35 40 45  
Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser  
50 55 60  
His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys  
65 70 75 80  
Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys  
85 90 95  
Ser Met Asp Leu Lys Asn Ile Asn Phe  
100 105

<210> 3  
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<212> PRT  
<213> Homo sapiens

<400> 3

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20 25 30  
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35 40 45  
Pro Phe Phe Arg Lys Arg His His Thr Cys Pro Cys Leu Pro Asn  
50 55 60  
Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp  
65 70 75 80  
Leu Lys Asn Ile Asn Phe  
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<210> 4

<211> 1406

<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (10) ... (333)

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ctg ccg ccg ctg ctc acg ccc cgc gct ggg gac gcc gcc gtg atc 99  
Leu Pro Pro Leu Leu Leu Thr Pro Arg Ala Gly Asp Ala Ala Val Ile  
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acc ggg gct tgt gac aag gac tcc caa tgt ggt gga ggc atg tgc tgt 147  
Thr Gly Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Met Cys Cys  
35 40 45

gct gtc agt atc tgg gtc aag agc ata agg att tgc aca cct atg ggc 195  
Ala Val Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly  
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Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe  
65 70 75

ggg cgg agg atg cat cac act tgc cca tgt ctg cca ggc ttg gcc tgt 291  
Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys  
80 85 90

tta cgg act tca ttt aac cga ttt att tgt tta gcc caa aag 333  
Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys  
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caaaaatgag gaaaataaga atttgatatt ttgttagaaa aactttttt ttttttctc 693  
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35 40 45  
Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly Lys Leu  
50 55 60  
Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe Gly Arg  
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Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys Leu Arg  
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Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys  
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20 25 30  
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35 40 45  
Pro Phe Phe Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly

50 55 60  
Leu Ala Cys Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln  
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<210> 7  
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<212> PRT  
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<210> 8  
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<210> 9  
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<212> PRT  
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<210> 10  
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<212> PRT  
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<212> PRT  
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Gly Ser Gly Thr Cys Cys Ala Ala Ser Ala Trp Ser Arg Asn Ile Arg  
35 40 45  
Phe Cys Ile Pro Leu Gly Asn Ser Gly Glu Asp Cys His Pro Ala Ser  
50 55 60  
His Lys Val Pro Tyr Asp Gly Lys Arg Leu Ser Ser Leu Cys Pro Cys  
65 70 75 80  
Lys Ser Gly Leu Thr Cys Ser Lys Ser Gly Glu Lys Phe Lys Cys Ser  
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<213> Dendroaspis polylepis polylepis

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20 25 30  
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35 40 45  
Pro Phe Ser Gly Gln Arg Lys Met His His Thr Cys Pro Cys Ala Pro  
50 55 60  
Asn Leu Ala Cys Val Gln Thr Ser Pro Lys Lys Phe Lys Cys Leu Ser  
65 70 75 80  
Lys

<210> 13  
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<212> PRT  
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<220>  
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20 25 30  
Pro Leu Gly Arg Glu Gly Glu Cys His Pro Gly Ser His Lys Val  
35 40 45  
Pro Phe Phe Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly  
50 55 60  
Leu Ala Cys Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln  
65 70 75 80  
Lys

<210> 14  
<211> 86  
<212> PRT  
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35 40 45  
Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn  
50 55 60  
Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp  
65 70 75 80  
Leu Lys Asn Ile Asn Phe  
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20 25 30  
Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Cys His Pro Gly Ser  
35 40 45  
His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys  
50 55 60  
Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys

65 70 75 80  
Ser Met Asp Leu Lys Asn Ile Asn Phe  
85

<210> 16  
<211> 85  
<212> PRT  
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<220>  
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Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys Thr Pro  
20 25 30  
Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val Pro  
35 40 45  
Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn Leu  
50 55 60  
Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp Leu  
65 70 75 80  
Lys Asn Ile Asn Phe  
85

<210> 17  
<211> 86  
<212> PRT  
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<400> 17  
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20 25 30  
Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val  
35 40 45  
Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn  
50 55 60  
Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp  
65 70 75 80  
Leu Lys Asn Ile Asn Phe  
85

<210> 18  
<211> 87

<212> PRT

<213> Artificial Sequence

<220>

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<400> 18

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20 25 30  
Thr Pro Leu Gly Arg Glu Gly Glu Cys His Pro Gly Ser His Lys  
35 40 45  
Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro  
50 55 60  
Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met  
65 70 75 80  
Asp Leu Lys Asn Ile Asn Phe  
85

<210> 19

<211> 14

<212> PRT

<213> Artificial Sequence

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<400> 19

Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly  
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